

WHAT IS CLAIMED IS:

1. A method of navigating and orienting through network hyper text language based pages ("network page") using designated mobile device for displaying network page content and enabling user interaction comprising the steps of:
 - 1st. Aggregating any collection of network pages ("track pages") and arranging them into sequences of network pages' URLs ("navigation track");
 - 2nd. Placing navigation track at accessible location on the network ("navigation track source")
 - 3rd. Loading navigation track from navigation track source;
 - 4th. Setting a code to denote current user location within the navigation track ("track location-code") to the first page of the navigation track;
 - 5th. Downloading track page data according to current track location-code;
 - 6th. Editing current track page hyper text content: ("modified track page")
 - F(1) Adding hypertext navigation items linking to navigation options;
 - F(2) Exchanging URLs' references of embedded objects to absolute URL references;
 - F(3) Adding further hypertext language content or command ("added hypertext")
 - 7th. Sending the modified current track page content to the user display;

8th. Presenting in mobile device screen respective information based on the current track page content;

9th. Enabling user interaction, to select navigation option, based upon embedded navigation items to permit navigation through navigation track;

10th. Enabling user access to the added hypertext content or command;

11th. Upon selecting navigation option by the user, identifying navigation target address;

12th. Start the process above from step E where the current track location-code is the navigation target address selected in K;

2. The method of claim 1 further comprising the step of: prior to loading the navigation track, updating navigation track according to current circumstances e.g. time or place;
3. The method of claim 1 further comprising the step of enabling the user to edit the navigation track e.g. delete any page;
4. The method of Claim 1 using a designated proxy server ("navigation server"), further comprising the steps of:
 - Further editing of page hypertext content by modifying URLs of "hyperlinks" so as to point to the location of the navigation server;
 - Upon selecting a hyperlink by the user, downloading the requested original page ("target page") by the navigation server;

- Editing the target page hyper-text content according to step F of the first claim and the first step of claim 4; and
- Transferring the modified track page to the mobile device;

5. The method of claim 1 further comprising the steps of:

- Concurrently with downloading of the current track page in step E, further downloading the next-in-line pages along navigation track;
- Editing each downloaded track page according to the step F of claim 1 and first step of claim 4;
- Upon receiving request navigation target address of any track page, checking cache memory of navigation server for said track page;
- Sending the respective track page from the navigation server to the user mobile device if the navigation target address matches any of the track pages in the navigation server cache memory;

6. The method of claim 5 further comprising the steps of:

- Prior to editing the downloaded track pages, merging several track pages into one track page ("united track page") wherein the size of the united track page is limited according to the mobile device constrains;
- Editing united track page according to the step F of claim 1 and first step of claim 4;

- Sending the modified united track page to the user mobile device; and;
 - Displaying the respective track page, placed at the united track page, upon user request for target address matching one of the track pages of the united track page;
7. The method of claim 1 wherein the navigation item contains the current track location code and a second code denoting a request for moving to the next or previous track page along the navigation track;
 8. The method of claim 1 wherein the navigation item contains a code denoting a request to re-load the navigation track from the navigation track source and to update the location-code of the user agent to the first track;
 9. The method of claim 1 further comprising the step of generating a network page ("track map page") containing list of links where each link points at one of the track pages;
 10. The method of claim 9 wherein each of the navigation items contains a code denoting the appropriate track page location, further comprising the step of displaying the track map page at the user display;
 11. The method of claim 1 further comprising the step of modifying any network page ("modified network page") containing hyperlinks pointing at track pages by editing said hyperlinks so as to point to the location of the navigation server;

12. The method of claim 1 wherein the hypertext language is WML format;

13. The method of claim 1 wherein the mobile device is a cellular phone device;

14. The method of claim 1 wherein the aggregating operation is performed by the user;

15. The method of claim 1 wherein the aggregating operation is performed by professional editors further comprising the step of placing the navigation track accessible to the users;

16. The method of claim 1 wherein the aggregation operation is processed and based on any dynamically created computer-generated collection of network pages ("dynamic page list").

17. The method of claim 16 further comprising the steps of:

- Presenting the user with the dynamic page list; and
- Enabling the user to relocate directly to a location within the navigation track using the dynamic page list.

18. The method of claim 16 wherein the aggregation operation further comprises the steps of:

- Presenting the user with the dynamic page list;
- Enabling the user to select multiple network pages from the dynamic page list.

- Upon completion of the user-selection, updating the dynamic page list to contain only said user-selected network pages .

19. The methods of claims 16, 17 and 18, wherein the dynamic page list is a search result list;
20. The methods of claims 16, 17 and 18, wherein the dynamic page list is an inbox mail list;
21. The method of claim 6 wherein each track page is a WML deck and the track pages are merged together into the united track page in the form of a deck containing cards collected from the different WML decks of the navigation track;
22. The method of claim 21 further comprising the step of displaying track pages locally in user agent from united deck upon user navigation requests to such pages;
23. The method of claim 21 further comprising the step of collecting WML pages until size of the united deck is optimized with respect to specific mobile device capabilities;